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Form PTO-1449
(REV. 7-80)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
KAS-103XC1

SERIAL NO.
09/918,740

INFORMATION DISCLOSURE STATEMENT

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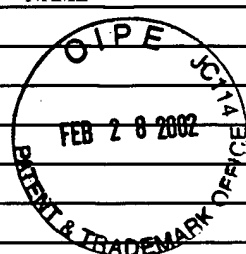
APPLICANT(S): Frederick M. Hahn, Adelheid R. Kuehnle

FILING DATE
July 31, 2001

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

PK	AN	Meinkoth, J. and G. Wahl (1984) "Hybridization of Nucleic Acids Immobilized on Solid Supports, " <i>Anal. Biochem.</i> 138 :267-284.
I	AO	Needleman, S.B. and C.D. Wunsch (1970) "A General Method Applicable to the Search for Similarities in the Amino Acid Sequence of Two Proteins," <i>J. Mol. Biol.</i> 48 :443-453.
PK	AP	Serino, G. and P. Maliga (1997) "A Negative Selection Scheme Based on the Expression of Cytosine Deaminase in Plastids," <i>Plant J.</i> 12 (3):697-701.
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OK	AN	Sprenger et al., "Identification of a Thiamin-Dependent. Synthase in Escherichia coli Required for the Formation of the 1-Deoxy-D-Xylulose 5-Phosphate Precursor to Isoprenoids, Thiamin, and Pyridoxol," Proc. Natl. Acad. Sci. USA 94:12857-12862 (1997).
I	AO	Stevens and Purton, "Genetic Engineering of Eukaryotic Algae: Progress and prospects," J. Phycol 33:713-722 (1997).
	AP	Takagi et al., "A Gene Cluster for the Mevalonate Pathway from Streptomyces sp Strain CL190," J. Bacteriol. 182:4153-4157 (2000).
	AQ	Takahashi, S. et al., "Purification, Characterization, and Cloning of a Eubacterial 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase, a Key Enzyme Involved in Biosynthesis of Terpenoids," J. Bacteriol. 181(4):1256-1263 (1999).
	AR	Toriyama and Hinata, "Cell Suspension and Protoplast Culture in Rice," Plant Science 41:179-183 (1985).
DO NOT Publish	AS	Tsudsuki, T., "Direct submission, bases 1-155939. Data Processing Center, Aichi Gakuin University, Aichi, Japan," (1998). (copy not enclosed)
OK	AT	Ye et al., Science 287:303-30 (2000).
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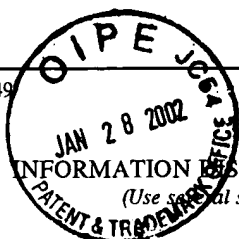
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DK	AA 5 3 8 0 8 3 1	1/10/95	Adang <i>et al.</i>			
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	AC 5 4 3 6 3 9 1	7/25/95	Fujimoto <i>et al.</i>			
DK	AD 4 8 4 6 8 7 2	7/11/89	Kamuro <i>et al.</i>			
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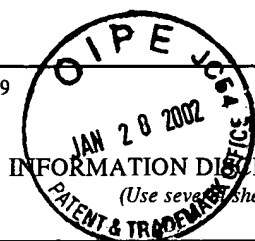
DK	AN	Albrecht et al., "Novel Hydroxycarotenoids with Improved Antioxidative Properties Produced by Gene Combination in Escherichia coli," Nature Biotech. 18:843 - 846 (2000). ✓
	AO	Allison et al., MDMV Leader (Maize Dwarf Mosaic Virus) Virology 154:9-20 (1986).
	AP	Altschul et al., "Basic Local Alignment Search Tool," J. Mol. Biol. 215:403-410 (1990). ✓
	AQ	Ashby and Edwards, "Elucidation of the Deficiency in Two Yeast Coenzyme Q Mutants: Characterization of the Structural Gene Encoding Hexaprenyl Pyrophosphate Synthetase," J. Biol. Chem. 265:13157-13164 (1990).
	AR	Ballas et al., "Efficient functioning of plant promoters and poly(A) sites in <i>Xenopus</i> oocytes," Nucleic Acids Res. 17:7891-7903 (1989). ✓
	AS	Beaucage and Caruthers, "Deoxynucleoside phosphoramidites-a new class of key intermediates for deoxypolynucleotide synthesis," Tetra. Letts., 22:1859-1862 (1981). ✓
	AT	Bock and Hagemann, "Extranuclear Inheritance: Plastid Genetic: Manipulation of Plastid Genomes and Biotechnological Application," Prog. Bot. 61:76-90 (2000). ✓
	AU	Boyton and Gillham, "Chloroplast Transformation in Chlamydomonas," Methods Enzymol. 217:510-536 (1993). ✓
	AV	Clarke, "Protein Isoprenylation and Methylation at Carboxy-terminal Cysteine Residues," Annu. Rev. Biochem. 61:355-386 (1992). ✓
DK	AW	Cunningham and Gantt, "Genes and Enzymes of Carotenoid Biosynthesis in Plants," Ann. Rev. Plant Mol. Biol. 39:475-502 (1998). ✓

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AN	Cunningham et al., "Evidence of a Role for LytB in the Nonmevalonate Pathway of Isoprenoid Biosynthesis," J. Bacteriol. 182:5841-5848 (2000).
AO	Dale, P.J., "Spread of Engineered Genes to Wild Relatives," Plant Physiol. 100:13-15 (1992).
AP	Daniell et al., "Containment of Herbicide Resistance Through Genetic Engineering of the Chloroplast Genome," Nat. Biotechnol. 16:345-348 (1998).
AQ	del Campo et al, Plant Physiol 114:748 (1997).
AR	Della-Cioppa et al., "Protein trafficking in plant cells," Plant Physiol. 84:965-968 (1987).
AS	Deroles and Gardner, "Expression and Inheritance of Kanamycin Resistance in a large Number of Transgenic Petunias Generated by Agrobacterium-Mediated Transformation," Plant Molec. Biol. 11: 355-364 (1988).
AT	Eisenreich et al., "The Deoxyxylulose Phosphate Pathway of Terpenoid Biosynthesis in Plants and Microorganisms," Chemistry and Biology 5:R221-R233 (1998).
AU	Elroy-Stein et al., "Cap-independent translation of mRNA conferred by encephalomyocarditis virus 5' sequence improves the performance of the vaccinia virus/bacteriophage T7 hybrid expression system," PNAS USA 86:6126-6130 (1989).
AV	Gallie et al., "Eukaryotic viral 5'-leader sequences act as translational enhancers in eukaryotes and prokaryotes," Molecular Biology of RNA, ed. Cech, (Liss, New York) 237-256 (1989).
AW	Garrett et al., "Accumulation of a Lipid A Precursor Lacking the 4'-Phosphate following Inactivation of the Escherichia coli lpxK Gene," J. Biol. Chem. 273:12457-12465 (1998).

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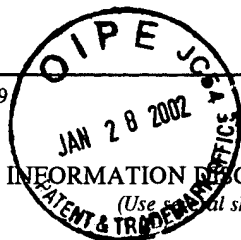
AN	Goldschmidt-Clermont M., "Transgenic Expression of Aminoglycoside Adenine Transferase in the Chloroplast: A Selectable Marker for Site-directed Transformation of Chlamydomonas," Nucleic Acids Res. 19:4083-4089 (1991).
AO	Goodwin, "Biosynthesis of Carotenoids and Plant Triterpenes: the Fifth CIBA Medal Lecture," Biochem. J. 123:293-329 (1971).
AP	Guda et al., "Stable Expression for a Biodegradable Protein Based Polymer in Tobacco Chloroplasts," Plant Cell Reports 19:257-262 (2000).
AQ	Guerineau et al., "Effect of deletions in the cauliflower mosaic virus polyadenylation sequence on the choice of the polyadenylation sites in tobacco protoplasts," Mol. Gen. Genet. 226:141-144 (1991).
AR	Hahn et al., "1-Deoxy-D-Xylulose 5-Phosphate Synthase, the Gene Product of Open Reading Frame (ORF) 2816 and ORF2895 in Rhodobacter capsulatus," J. Bacteriol. 183:1-11 (2001).
AS	Hahn and Poulter, "Isolation of Schizosaccharomyces pombe Isopentenyl Diphosphate Isomerase cDNA Clones by Complementation and Synthesis of the Enzyme in Escherichia coli," J. Biol. Chem. 270:11298-11303 (1995).
AT	Hahn et al., "Escherichia coli Open Reading Frame 696 Is idi, a Nonessential Gene Encoding Isopentenyl Diphosphate Isomerase," J. Bacteriol. 181:4499-4504 (1999).
AU	Hahn et al., "Open Reading Frame 176 in the Photosynthesis Gene Cluster of Rhodobacter capsulatus Encodes idi, a Gene for Isopentenyl Diphosphate Isomerase," J. Bacteriol. 178:619-624 (1996).
AV	Hamilton et al., "New Method for Generating Deletions and Gene Replacements in Escherichia coli," J. Bacteriol. 171:4617-4622 (1989).
AW	Harker and Bramley, "Expression of Prokaryotic 1-Deoxy-D-Xylulose 5-Phosphates in Escherichia coli Increases Carotenoid and Ubiquinone Biosynthesis," FEBS Letters 448:115-119 (1999).

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AN	Herz et al., "Biosynthesis of Terpenoids: YgbB Protein Converts 4-Diphosphocytidyl-2C-Methyl-D-Erythritol 2-Phosphate to 2C-Methyl-D-Erythritol 2,4-Cyclodiphosphate," Proc. Natl. Acad. Sci. USA 97:2486-2490 (2000).
AO	Jobling et al., "Enhanced translation of chimaeric messenger RNAs containing a plant viral untranslated leader sequence," Nature 325:622-625 (1987).
AP	Joshi et al., "Putative polyadenylation signals in nuclear genes of higher plants: a compilation and analysis," Nucleic Acid Res. 15(23):9627-9639 (1987).
AQ	Kajiwarra et al., "Expression of an Exogenous Isopentenyl Diphosphate Isomerase Gene Enhances Isoprenoid Biosynthesis in Escherichia coli," Biochem. J. 324:421-426 (1997).
AR	Kavanagh et al., "Homeologous Plastid DNA Transformation in Tobacco is Mediated by Multiple Recombination Events," Genetics 152:1111-1122 (1999).
AS	Keeler et al., "Movement of Crop Transgenes into Wild Plants," in Herbicide Resistant Crops: Agricultural, Economic, Environmental, Regulatory and Technological Aspects, (S.O. Duke, ed.) CRC Press, Boca Rotan, FL, pp 303-330 (1996).
AT	Khan and Maliga, "Fluorescent Antibiotic Resistance Marker for Tracking Plastid Transformation in Higher Plants," Nature Biotech. 17:910-914 (1999).
AU	Kota et al., "Overexpression of the Bacillus thuringiensis (Bt) Cry2Aa2 Protein in Chloroplasts Confers Resistance to Plants Against Susceptible and Bt-resistant Insects," Proc. Natl. Acad. Sci. USA 96:1840-1845 (1999).
AV	Kunkel, Proc. Natl. Acad. Sci. USA 82:488-492 (1985).

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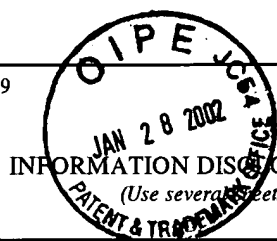
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RF	AN	Kunkel et al., "Rapid and efficient site-specific mutagenesis without phenotypic selection," Methods in Enzymol.; 154:367-382 (1987).
	AO	Kuzuyama et al., "Direct Formation of 2-C-Methyl-D-Erythritol 4-Phosphate by 1-Deoxy-D-Xylulose 5-Phosphate Reductoisomerase, a New Enzyme in the Non-Mevalonate Pathway to Isopentenyl Diphosphate," Tetrahedron Lett. 39:4509-4512 (1998).
	AP	Kuzuyama et al., "Fosmidomycin, a Specific Inhibitor of 1-Deoxy-D-Xylulose 5- Phosphate Reductoisomerase in the Nonmevalonate Pathway for Terpenoid Biosynthesis," Tetrahedron Lett. 39:7913-7916 (1998).
	AQ	Kuzuyama et al., "An Unusual Isopentenyl Diphosphate Isomerase Found in the Mevalonate Pathway Gene Cluster from Streptomyces sp. strain CL190," Proc. Natl. Acad. Sci. USA 98:932-7 (2001).
	AR	Lange and Croteau, "Isopentenyl diphosphate biosynthesis via a mevalonate independent pathway: Isopentenyl monophosphate kinase catalyzes the terminal enzymatic step," Proc. Natl. Acad. Sci. USA 96:13714-13719 (1999).
	AS	Lichtenthaler et al., "Biosynthesis of Isoprenoids in Higher Plant Chloroplasts Proceeds via a Mevalonate-Independent Pathway," FEBS Letters 400:271-274 (1997).
	AT	Lois et al., "Cloning and Characterization of a Gene from Escherichia coli Encoding a Transketolase-Like Enzyme that Catalyzes the Synthesis of D-1-Deoxyxylulose 5-Phosphate, a Common Precursor for Isoprenoid, Thiamin, and Pyridoxol Biosynthesis," Proc. Natl. Acad. Sci. USA 95:2105-2110 (1998).
	AU	Lommel et al., "Identification of the maize chlorotic mottle virus capsid protein cistron and characterization of its subgenomic messenger RNA," Virology 181:382-385 (1991).
QK	AV	Lüttgen et al., "Biosynthesis of Terpenoids: YchB Protein of Escherichia coli Phosphorylates the 2-Hydroxy Group of 4-Diphosphocytidyl-2-C-Methyl-D-Erythritol," Proc. Natl. Acad. Sci. USA 97:1062-1067 (2000).

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AN	Macejak et al., "Internal initiation of translation mediated by the 5' leader of a cellular mRNA," Nature 353:90-94 (1991).
AO	Mann et al., "Metabolic Engineering of Astaxanthin Production in Tobacco Flowers," Nature Biotech. 18:888-892 (2000).
AP	Martin et al., "Gene Transfer to the Nucleus and the Evolution of Chloroplasts," Nature 393:162-165 (1998).
AQ	Matsuoka et al., "Variable Product Specificity of Microsomal Dehydrodolichyl Diphosphate Synthase from Rat Liver," J. Biol. Chem. 266:3464-3468 (1991).
AR	Matteucci, M.D. and M.H. Caruthers, "Synthesis of deoxyoligonucleotides on a polymer support," J. Am. Chem. Soc., 103(11): 3185-3191 (1981).
AS	Meyer and Saedler, "Homology-Dependent Gene Silencing in Plants," Ann. Rev. Plant. Physiol. Mol. Biol. 47:23-48 (1996).
AT	Millen et al., "Many Parallel Losses of infA from Chloroplast DNA During Angiosperm Evolution with Multiple Independent Transfers to the Nucleus," Plant Cell 13: 645-658 (2001).
AU	Mogen et al., "Upstream sequences other than AAUAAA are required for efficient messenger RNA 3'-end formation in plants," Plant Cell 2:1261-1272 (1990).
AV	Munroe et al., "Tales of poly(A): a review," Gene 91:151-158 (1990).
AW	Murray et al., Nucleic Acids Res. 17(2):477-498 (1989).

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AK	AN	Newman et al., "Genes Galore: A Summary of Methods for Accessing Results from Large-Scale Partial Sequencing of Anonymous Arabidopsis cDNA Clones," Plant Physiology 106:1241-1255 (1994).
	AO	Nielsen and Bloor, "Analysis and Developmental Profile of Carotenoid Pigments in Petals of Three Yellow Petunia Cultivars," Scientia Hort. 71:257-266 (1997).
	AP	Pachuk et al., Gene 243:19-25 (2000).
	AQ	Pearson et al., "Improved tools for biological sequence comparison," Proc. Natl. Acad. Sci. 85:2444-2448 (1988).
	AR	Popják, G., "Natural Substances Formed Biologically from Mevalonic Acid," Biochemical symposium no. 29 (T. W. Goodwin, ed.) Academic Press, New York, pp 17-33 (1970).
	AS	Proudfoot, Nick, "Poly(A) Signals," Cell 64:671-674 (1991).
	AT	Ramos-Valdivia et al., "Isopentenyl Diphosphate Isomerase: A Core Enzyme in Isoprenoid Biosynthesis: A Review of its Biochemistry and Function," Nat. Prod. Rep. 6:591-603 (1997).
	AU	Rohdich et al., "Cytidine 5'-Triphosphate-Dependent Biosynthesis of Isoprenoids: YgbP Protein of Escherichia coli Catalyzes the Formation of 4-Diphosphocytidyl-2-C-methylerythritol," Proc. Natl. Acad. Sci. USA 96:11758-11763 (1999).
	AV	Sanfacon, H. et al., "A dissection of the cauliflower mosaic virus polyadenylation signal," Genes & Dev. 5:141-149 (1991).
AK	AW	Smith, T. et al., "Comparison of biosequences," Adv. Appl. Math. 2:482-489 (1981).

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